

# 31317

Popular item SKF Explorer

Tapered roller bearings, single row

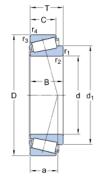
Bearing data

Tolerances, Normal and CL7C, CLN, Normal and CL, deviating width Bearing interfaces Seat tolerances for standard conditions, Tolerances and resultant fit

## Dimension series

Technical specification

7GB



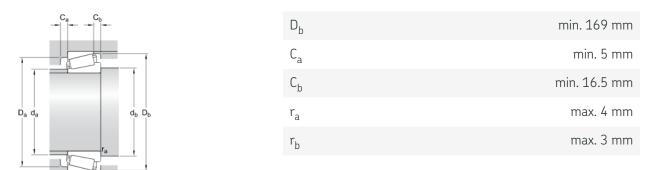
### DIMENSIONS

d	85 mm
D	180 mm
Т	44.5 mm
d <sub>1</sub>	≈ 131.37 mm
В	41 mm
С	28 mm
r <sub>1,2</sub>	min. 4 mm
r <sub>3,4</sub>	min. 3 mm
a	53.944 mm

### ABUTMENT DIMENSIONS

d <sub>a</sub>	max. 104 mm
d <sub>b</sub>	min. 100.5 mm
D <sub>a</sub>	min. 143 mm
D <sub>a</sub>	max. 167.5 mm





## CALCULATION DATA

Basic dynamic load rating	С	297 kN
Basic static load rating	C <sub>0</sub>	285 kN
Fatigue load limit	P <sub>u</sub>	32 kN
Reference speed		2800 r/min
Limiting speed		3800 r/min
Calculation factor	е	0.83
Calculation factor	Y	0.72
Calculation factor	Y <sub>0</sub>	0.4

## MASS

Mass bearing	4.62 kg
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## More information

Product details	Product details	Engineering i	nforn Eanlajonneering ir	formatidan	Tools
Designs and variants Bearing data Loads Tempera ture limits Permissi ble speed Design c onsiderati ons Bearing designati ons Designati on system	Designs and variants Bearing data Loads Tempera ture limits Permissi ble speed Design c onsiderati ons Bearing designati ons Designati on system	Principles of rolling bearing selection General bearing k nowledge Bearing selection process Bearing failure and how to prevent it	Principles of rolling bearing selection General bearing k nowledge Bearing selection process Bearing failure and how to prevent it	SimPro Quick Bearing Select Engineer ing Calcul ator LubeSele ct for SKF greases Heater Selection Tool Oil Injection Method Program skf.com/ mount	SimPro Quick Bearing Select Engineer ing Calcul ator LubeSele ct for SKF greases Heater Selection Tool Oil Injection Method Program skf.com/ mount



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